File No.ENE01-APRE/6/2022-MLO-ENE

GO MS/23/2022/ENE01-Energy

GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Energy Department – Proposal for setting up of 3700 MW of Pumped Storage Hydro Power(PSP) Projects by M/s Adani Green Energy Ltd. - Allotment of PSP Projects - Orders – Issued.

ENERGY (POWER.II) DEPARTMENT

G.O.Ms.No.12 Dated:29.06.2022.

Read the following:-

1. Proposals AGEL/GoAP/16062022 dated 16.06.2022 of M/s Adani Green Energy Limited, Ahmedabad, Gujarat
2. Govt Letter No.ENE01-APRE/6/2022, dated:20-06-2022.
3. From the Vice Chairman & Managing Director, New and Renewable Energy Development Corporation of Andhra Pradesh (NREDCAP), vide letter No.NREDCAP/WE/PSP/AGEL/2022 dated 20.06.2022.
4. From the Chairman & Managing Director, APTRANSCO, Vijayawada, letter No.CMD/CGM/Commercial/RAC/F-05/22, D.No.73/22, dated: 20-06-2022
5. From the Member-Convenor, APPCC, Vijayawada, letter No.MC/APPCC/ CGM(PP)/DGM(IPPs/F.PSPs.DNo.137/22, dated:21-06-2022
6. MoU entered between M/s Adani Green Energy Limited & Government of AP dated 23.05.2022 at Davos, Switzerland.

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ORDER:-

Renewable Energy has started playing an increasingly important role worldwide in augmentation of grid power, providing energy access, reducing the consumption of fossil fuels thereby mitigating the climate change challenges. Andhra Pradesh being one of the leading States contributing to the RE capacity addition, has been rolling out multiple initiatives, programs, policies and incentives to accelerate the development of the renewable energy sector. However, in order to balance the variations in RE generation, reliable Energy Storage solutions are required. Though various energy storage technologies are available, Pumped Hydro Storage Power Projects (PSP) offer highest promise due to their flexible operation to balance the Variable Renewable generation in short span of time. Andhra Pradesh is in forefront in the country in identifying potential sites for promotion of Pumped Storage Hydro Power Projects. Techno-Commercial Feasibility Reports (TCFR) are prepared with an aggregate potential of 33,240 MW. Detailed Project Reports are under preparation for most viable locations in phased manner. Considering the huge capital investments required to establish PSP Projects, the Government is intending to encourage private investments in already identified Pumped Storage Projects.

2. Further, the Government of India has committed at the 26th session of the Conference of the Parties (COP26) to the United Nations Framework Convention on Climate Change (UNFCCC) held in Glasgow, United Kingdom to reach 500 GW Non-fossil energy capacity by 2030 and achieve the target of net zero emissions by 2070. In view of the commitments of Government of India, the share of Renewable Energy is expected to be increased substantially in the country in the coming years and is

going to be more challenging than ever before to maintain stable grid due to variations in Renewable Energy Power generation. The Govt. of India has identified pumped storage hydro projects as one of the most prominent energy storage options that can be considered for balancing of variable renewable energy and is extensively promoting development of PSPs which is the most commonly used and commercially viable large scale electricity storage technology and currently accounts for 95%of the total storage capacity globally.

3. In the reference 1st read above, M/s Adani Green Energy Limited (M/s AGEL), Ahmedabad, have submitted proposal to the Government for allocation of 3700 MW Pumped Storage Hydro Power (PSP) Projects at the following locations,

i. Chitravathi, Sri Satya Sai District : 500 MW
ii. Kurukutti, Manyam Parvathipuramu District : 1200 MW
iii. Karrivalasa, Manyam Parvathipuramu District : 1000 MW
iv. Gandikota, YSR District : 1000 MW
Total capacity : 3,700 MW

4. M/s Adani Green Energy Ltd., has proposed to take up various activities for expeditious development of the above PSP projects and would like to implement the projects and have requested to extend certain incentives and issue projects allotment order for development of 3700 MW PSPs on fast track basis and extend necessary support required from relevant departments of Government of Andhra Pradesh for grant of various approvals, clearance related to the above projects.

5. M/s AGEL has signed MoU with the Govt. of Andhra Pradesh on 23.05.2022 at Davos, Switzerland for development of 3,700 MW of PSP Projects and 10,000 MW of Solar power projects in Andhra Pradesh State involving investment of approximately Rs.60,000 Crores which is expected to generate 10,000 Nos of jobs direct or indirectly. Implementation of 3700 MW PSP Projects will bring investments to an extent of Rs. 15,500 Crores and the projects help to improve the local economy besides creating direct and indirect employment to 4000 persons.

6. The proposal of the M/s Adani Green Energy Limited, Ahmedabad has been placed before the State Investment Promotion Board held on 22-06-2022. The SIPB have taken the following decisions:

1. Mega Industrial Project Status shall be extended to the project to facilitate single window clearances. NREDCAP will be the Nodal Agency. However, no incentives will be provided.
2. Land required for the project shall be allotted and alienated on outright sale basis @ Rs. 5 lakhs per acre.
3. 0.57 TMC of water shall be allotted on one-time non-consumptive basis and 0.0513 TMC water towards annual evaporation losses from Gandikota and Chitravathi Reservoirs as per the Industrial Water Supply Policy / Guidelines and subject to guidelines issued by the Water Resources Department.
4. Green Energy Development Charges shall be levied @ Rs. 1 lakh/MW/Year for 1st 25 years and Rs. 2 lakhs/MW/year for remaining life of the project.

5. One Time Facilitation charges shall be payable to NREDCAP @ Rs. 0.5 Lakhs/MW.
6. Govt. of Andhra Pradesh will support and facilitate the project for availing grants of special category projects under Central Government schemes.
7. Govt. of Andhra Pradesh will facilitate the project for availing benefits provided as per National Energy Storage Policy without any financial commitment from Govt. of Andhra Pradesh.

7. Government after detailed examination of the proposal of M/s Adani Green Energy Limited, Ahmedabad in consultation with various Stakeholders i.e Revenue Department/EFS & T Dept/ Water Resources Department in the light of the decisions taken in State Investment Promotion Board have decided to extend the incentives that are considered for Integrated Renewable Power and Energy Storage Project (IRESP) allotted to M/s Greenko Energies Limited at Pinnapuram, Panyam Mandal, Nandyal district.

8. The Government has further issued orders as follows:

1. 3700 MW of Pumped Storage Hydro Power Projects are allotted to M/s Adani Green Energy limited at the following locations,

i. Chitravathi, Sri Satya Sai District : 500 MW
ii. Kurukutti, Manyam Parvathipuramu District :1200 MW
iii. Karrivalasa, Manyam Parvathipuramu District :1000 MW
iv. Gandikota, YSR District :1000 MW

Total capacity : 3700 MW

2. Mega Industrial Project Status has been accorded to the project to facilitate single window clearances. NREDCAP will be the Nodal Agency. However, no incentives will be provided.
3. Allotment and alienation of land required for the project on outright sale basis @ Rs. 5.00 lakhs per acre.
4. Allocation of 0.57 TMC of water on one-time non-consumptive basis and 0.0513 TMC water towards annual evaporation losses from Gandikota and Chitravathi Reservoirs as per the Industrial Water Supply Policy / Guidelines and subject to guidelines issued by the Water Resources Department.
5. Green Energy Development Charges shall be levied @ Rs.1 lakh/MW/Year for 1st 25 years and Rs. 2 lakhs/MW/year for remaining life of the project.
6. One Time Facilitation charges shall be payable to NREDCAP @ Rs. 0.5 Lakhs/MW.
7. Govt. of Andhra Pradesh will support and facilitate the project for availing grants of special category projects under Central Government schemes.
8. Govt. of Andhra Pradesh will facilitate the project for availing benefits provided as per National Energy Storage Policy without any financial commitment from Govt. of A.P.
9. Actual expenditure incurred by the NREDCAP in preparation of the DPRs and carrying out various field investigations of the said PSP projects and expenditure towards obtaining various clearances shall be reimbursed /paid by M/s Adani Green Energy Limited.
10. APTRANSCO shall facilitate for evacuation of power from the proposed PSP Projects to the nearest CTU sub-stations. Necessary evacuation facility till the nearest CTU shall be developed by M/s Adani Green Energy Limited.
11. The Forest Department shall extend necessary support and facilitate to carry out surveys and investigations in forest areas and diversion of forest

lands.

12. The Power generated from these pumped storage projects would be connected to Power Grid substation and delivered outside the State with no obligation for DISCOMS to purchase power. However, DISCOMs shall have first right of refusal.
13. The allocated projects shall be executed and commissioned within a period of six years from the date of total land handing over to the Project, failing which the entire land shall be resumed back to the Government.

9. The Revenue Department/EFS & T/Industries & Commerce/Water Resources Department/ Chairman & Managing Director, APTRANSCO, Vijayawada shall take necessary action accordingly pertains to their issues.

10. The Vice Chairman & Managing Director, New and Renewable Energy Development Corporation of Andhra Pradesh, Tadepalli shall take further necessary action accordingly.

11. This order issues with the concurrence of Finance Dept., vide U.O.No. Fin01-FMU0ASD/139/2022-FMU-IIEIC(C.No.1765148), dt.24-06-2022.

(BY ORDER AND IN THE NAME OF GOVERNOR OF ANDHRA PRADESH)

K.VIJAYANAND
SPECIAL CHIEF SECRETARY TO GOVERNMENT

To
M/s Adani Green Energy Limited, “Adani Corporate House”, 4th Floor – South Wing, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad 382 421, Gujarat State.
The Vice Chairman & Managing Director, NREDCAP, Tadepalli.
The Chairman & Managing Director, APTRANSCO, Vidyuth Soudha, Vijayawada.
The Chief Commissioner of Land Administration & Special Chief Secretary, Gollapudi, Vijayawada.
The Special Chief Secretary to Govt., Finance Dept.
The Special Chief Secretary to Govt., Industries & Commerce Dept.
The Special Chief Secretary to Government, EFS&T Dept.
The Principal Secretary to Govt., Water Resources Dept.
The Principal Chief Conservator of Forests, GoAP, Guntur.
Copy to
The Commissioner of Industries Department, Vijayawada.
The Collector & District Magistrate, Sri Satya Sai District.
The Collector & District Magistrate, YSR District.
The Collector & District Magistrate, Manyam Parvathipuram District.
The Managing Director, APGENCO, Gunadala, Vijayawada.
The Chairman & Managing Director, APSPDCL,Tirupati.
The Chairman & Managing Director, APCPDCL,Vijayawada.
The Chairman & Managing Director, APEPDCL, Visakhapatnam.
The P.S to Special Chief Secretary to Chief Minister.
The P.S. to Secretary to Chief Minister.
The P.S., to Minister for Energy, FES&T and Mines & Geology
The P.S.to Special Chief Secretary to Govt., Energy Dept.

SC/SFs.

FORWARDED:: BY ORDER//

SECTION OFFICER

Signed by Vulli Srinivasa Rao
Date: 29-06-2022 17:03:09
Reason: Approved